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User Manual

RYDIS H67 Hybrid Robot Vacuum Cleaner

Please read this manual carefully before using product.

RYDIS H67 Hybrid Robot Vacuum Cleaner

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MONEUAL®

RYDIS H67

Hybrid Robot Vacuum Cleaner

User Manual

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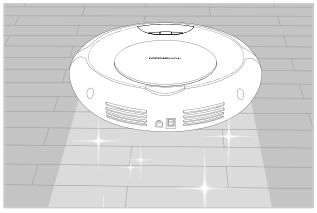
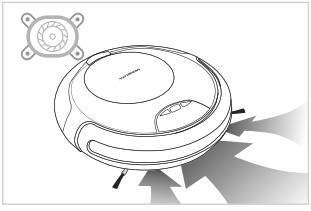
Product Features

Mop Cleaning Mode



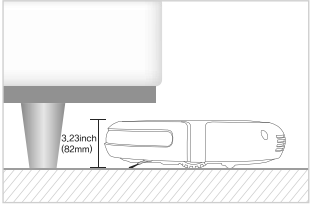
With the removable microfiber washable mop mounted, the robot vacuum cleaner can conveniently mop clean hardwood, tiled, and all other non-carpeted floor areas. This mode specializes in cleaning hard floors utilizing the washable mop (without vacuum).

High-Performance BLDC Motor



Cleaning capability is maximized through the use of the powerful BLDC (suction) motor.
The BLDC (Brushless DC) motor has 20~30% stronger output than a regular DC motor of the same class and also has the lifetime of approximately 5,000 hours,10 times longer than a typical DC motor.

3.23inch (82mm) Slim Design



Having a slim design with the height of 3.23inch (82mm), the robot vacuum cleaner can clean locations that are difficult to reach and are not easy to clean, such as under furniture like beds and sofas.

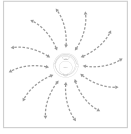
Various Cleaning Modes

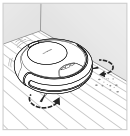
The product provides the most suitable cleaning function and performance for a variety of cleaning environments through several different cleaning modes.

Mop
Cleaning mode

Shadow
Cleaning mode

Automatic
Cleaning mode

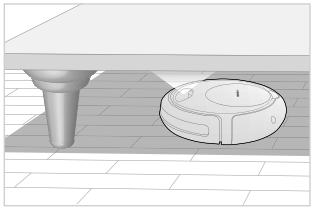

Intensive
Cleaning mode


Corner
Cleaning mode

Manual
Cleaning mode

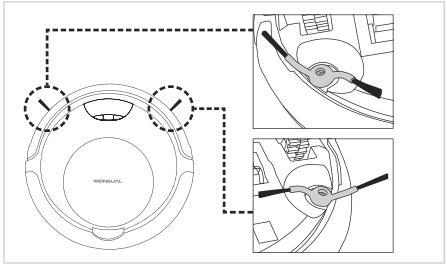
Reservation
Cleaning mode

Shadow Cleaning Mode



Shadow Cleaning mode allows the cleaning of the difficult to reach locations such as underneath beds and other large furniture that standard vacuum cleaners cannot reach.

Twin Side Brushes



Once being mounted on the left/right of the body of the robot vacuum cleaner, the twin side brushes allow the cleaning of the deep locations that are difficult to clean only with a vacuum suction system.

Environment-friendly Lithium Iron Phosphate

The robot vacuum cleaner uses an environment-friendly battery that does not contain heavy metals and acids harmful to the human body. The lithium iron phosphate battery has the lifetime of approximately three times longer (1,000 times of charging/discharging) than that of standard lithium-family or nickel-family batteries and provides higher levels of operational safety because it is strong against high temperature and has almost no risk of explosion.

ENGLISH

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Cautions for Safety

The instructions with the following caution marks must be carefully read and followed in order to use the product properly and to prevent accident or damage which may occur during the operation of the product.

Meanings of Caution Icons

Important	Refers to important information, definitions, general knowledge, and references.
Warning	If you do not follow the instruction with this warning icon, a serious injury or property loss may occur.
Danger	If you do not follow the instruction with this danger icon, a serious injury, death, or property loss may occur.

Before using the product

- **Remove light clothes or fragile materials from the floor.**
  It may obstruct robot vacuum cleaner from moving.
- **Remove obstacles on the floor where the robot vacuum cleaner is operating.**
  The product is unable to travel to areas which are blocked by obstacles of certain height.
- **Do not install the robot vacuum cleaner on a place exposed to direct sunlight.**
  Direct sunlight may cause discoloration of the product.
  Adapters may cause electric shock or fire due to overheating during charging.
- **Do not install the charger on an inclined floor, and do not cause impact to the charger.**
  The charger may become damaged or broken.
- **Install the charger at a location that the robot vacuum cleaner can easily find.**
  If the site is in a corner or has many obstacles around it, automatic charging may not be possible.
- **Do not use the robot vacuum cleaner on a room with an unattended child or an elderly person.**
  A child or an elderly person may become frightened or injured.
- **Make sure that the charger is always plugged into a power source.**
  If no power is supplied to the charger, you will not be able to use the automatic charge function.

Using the Robot Vacuum Cleaner

- **Do not stand or sit on the robot vacuum cleaner.**
  Movement of the product may cause an injury or the robot vacuum cleaner can become damaged.
- **Do not use the robot vacuum cleaner on a narrow and elevated space such as on a desk.**
  The robot vacuum cleaner can fall off and result in a person's injury or damage to the robot vacuum cleaner.
- **Make sure that no liquid enters or falls on the robot vacuum cleaner.**
  The robot vacuum cleaner may malfunction or become damaged.
- **If the robot vacuum cleaner happens to vacuum plastic bags or other such things, they should be removed immediately.**
  If the dust intake gets clogged and the robot vacuum cleaner is used for a long time with the internal motor heating, the robot vacuum cleaner will be damaged.
- **Do not use the enclosed battery charger to charge any other product.**
  The charger or other products can be damaged.
- **Make sure that clothes, hair, fingers or other body parts are not caught in the wheels.**
  An injury may occur.
- **Do not press the bumper of the robot vacuum cleaner severely or inflict excessive shock.**
  The bumper sensor can become damaged and work abnormally.
- **Do not keep or use the robot vacuum cleaner at a temperature too low or too high.**
  Do not use the robot vacuum cleaner at a temperature of – 5℃ or lower or 35℃ or higher.
- **Do not operate robot vacuum cleaner with the dust bin full.**
  It can cause reduction in suction power.
- **Check if the filter is inserted into the dust bin.**
  If the robot gets activated with no filter, it can cause product failure.
- **Prevent the main brush and the side brush from being clogged with hairs or other foreign substances.**
  It can cause noise, reduction in suction power, or damage to the robot vacuum cleaner.
- **Before using the robot vacuum cleaner, clear away any obstruction from the floor.**
  Small dish towels, bath towels, pads, telephone lines, power cables, strings or belts can be entangled with the operating wheels or the brushes.
  Make sure to remove things that can be easily broken (ceramic wares, glass cups, etc.).
- **Do not use robot vacuum cleaner on the wall or on a mirrored or glass floor.**
  The robot vacuum cleaner might not be able to recognize glass or mirror as an obstacle because it uses an infrared light sensor to detect an obstacle.
- **Avoid using the robot vacuum cleaner in a utility room, in a room with a wet floor, on stairways, on a table, on a shelf, in a storage room, in a commercial building, or outdoors.**
- **If you have dropped the robot vacuum cleaner or caused an impact to the product, contact the designated service center immediately.**

Electrical Cautions

- **Make sure to use only the specified voltage and current.**
  Power supplies outside the specification ranges may cause serious damage to the robot vacuum cleaner.
- **If the robot vacuum cleaner is stored for a long time without being used, the main battery can become discharged.**
  When storing the device for a long period of time, make sure to turn off the Power Switch on the rear.
- **Do not use a damaged power cord or plug.**
  There is chance of shock and/or serious injury.
- **If the power cord of the charger is damaged, contact the service center immediately.**
- **If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.**
- **Make sure that the power cord is not pulled or pressed down by doors.**
  The power cord can be pulled out or damaged.
- **When connecting / disconnecting the plug into / from the receptacle, make sure to do so by holding the plug part, rather than pulling on the cord.**
- **Do not touch the power cord with wet hands.**
  You can get shocked.
- **If water gets on the robot cleaner, unplug the power plug and dry completely before using again.**
  An electric shock or a fire may occur. If water enters the product, contact the service center.
- **Use the enclosed charger only.**
  The product may be damaged due to overvoltage, or a fire or electric shock may occur.
- **Do not install the charger in a place which is damp or dusty, where water splashes or where steam is emitted.**
  The product may malfunction, or shock damage to the robot vacuum cleaner may occur.
- **Do not contact any metal objects such as clips and pins with the charger terminal.**
  It can cause electric shock and/or fire.

In Product Management

- **Use the standard filter only.**
  No warranty service will apply to any error or failure of the robot vacuum cleaner caused due to a substandard filter.
- **When cleaning the robot vacuum cleaner, make sure power is off first.**
  If you happen to clean the robot vacuum cleaner while it is in operation or while the power is still connected, injury may occur.
- **Clean Main Brush, Side Brush, Dust Bin, Dust Bin Filter, and Dust Suction Inlet periodically.**
  If the robot vacuum cleaner is used for a long time without cleaning, it can malfunction and cause product failure.

Others

- **Do not operate the robot vacuum cleaner in a site with flammable substances.**
  This includes alcohol, gasoline, distilled water, thinners, ashtrays with flames, candles, and stoves.
- **Any disassembling or repairing of the robot vacuum cleaner must be performed by a designated service center or authorized engineers only.**
  Tampering with the robot vacuum cleaner can lead to damage or electric shock.
- **Do not discard the battery carelessly.**
  Putting old batteries near fire or direct sunlight for prolonged periods can cause fire and/or explosion.
  Discard used-up batteries safely according to local regulations.

Danger

- **Do not place hot or flammable objects such as cigarettes, candles, heaters, matches or gasoline near the robot vacuum cleaner.**
  The robot vacuum cleaner can become badly damaged or a fire may break out.
- **Do not use the robot vacuum cleaner near an explosive object or in an explosive place.**
- **This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**

- **Children should be supervised to ensure that they do not play with the appliance.**

Product Composition

Basic components

Main body
(2,800mAh battery built-in)

Charging
Station

Charger Adapter

Charger Adapter
Power Cord

Remote Control &
Battery(2 x AAA)

Mopping Guard & 2 x Washable Mop

2 x Dust Filter

2 x Main brush

2 x Side Brush Set
4 x Screws

Cleaning Brush

Screwdriver

User Manual

Quick
User Guide

Warranty Card

The appearance and specifications are subject to change without prior notice for better product functions or performance.

Cautions before using the Robot Vacuum Cleaner

※ The appearance, specifications and other parts of the robot vacuum cleaner are subject to change without prior notice for product improvement.

01. **When opening the package, be careful that no shock is applied to the robot vacuum cleaner and its components.**
See page 15 for the robot vacuum cleaner installation.

02. **Be sure to check the mounting locations (L/R) for the side brushes before installing them.**
See page 16 for the side brushes installation method.

03. **After removing product from the robot vacuum cleaner from the packaging, charge manually before operating.**
At initial opening, the battery may have become discharged and may not work. For manual charging method, see page 17.

04. **Clear away all large debris from the floor to be cleaned.**
Clear away objects, which might break or fall, from the floor. Carpets with decorative embroidery such as long tassels, may hinder the robot vacuum cleaner from moving normally.
Fold the tassels under the carpet or clear away the carpets.

05. **If the dust bin of the robot vacuum cleaner gets filled, and is not emptied, cleaning performance will deteriorate.**
After each cleaning operation, check if the dust bin is filled up.
See page 29 for how to clean the dust bin.

06. **Remove foreign substances from the location–detecting sensors and wheels.**
They may prevent the robot vacuum cleaner from moving or cause errors.
See page 32 for instruction on how to clean the location–detecting sensor and wheels.

07. **Children or the elderly may get frightened by the robot vacuum cleaner.**
To prevent children or the elderly from being taken aback, make sure to explain details of product to them before operation.

08. **Be careful that the robot vacuum cleaner does not fall from high places.**
If shoes or something similar are put side by side on the shoe shelf at the entrance of the living room, the robot vacuum cleaner might see the shoes as part of the floor, falling from the living room. Do not use the robot vacuum cleaner in a narrow site (e.g. desks, tables, etc.) where robot vacuum cleaner can fall.

09. **The robot vacuum cleaner is not able to cross over a threshold higher than 0.4inch (1cm).**

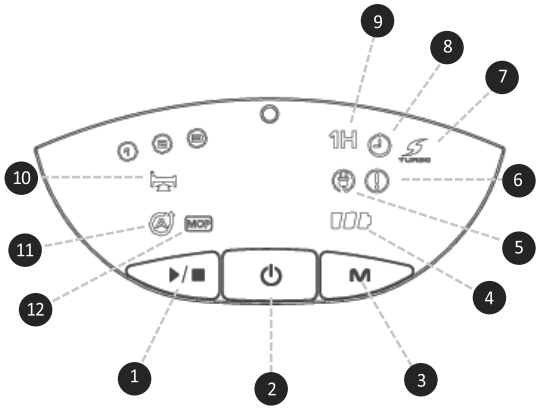
10. **When storing the robot cleaner that is completely charged, leave it docked to the charger or turn off the system power switch located on the rear part of the body.**

Name of each part of the Robot Vacuum Cleaner

Robot Vacuum Cleaner (Top)

① Obstacle and Signal detecting Sensor
② Bumper
③ Control buttons and Operation Lamps
④ Dust bin cover

Control buttons and Operation Lamps

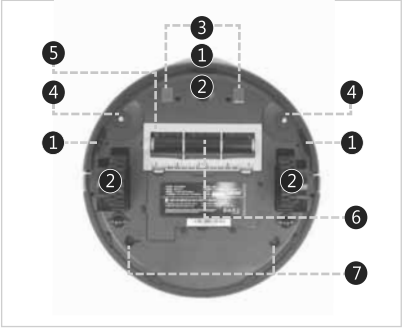


① Start/Stop button
② Main Power On/Off button
③ Mode Selection button
④ Battery lamp
⑤ Charging mode lamp
⑥ System Error lamp
⑦ Turbo Suction lamp
⑧ Daily Reservation lamp
⑨ 1–Hour Reservation lamp
⑩ Shadow Cleaning mode lamp
⑪ Automatic Cleaning mode lamp
⑫ Mop Cleaning mode lamp

Robot Vacuum Cleaner (Rear)

① Air Outlet
② System Power Switch
③ Signal Receiver
④ Manual Charging Adapter Jack

Robot Vacuum Cleaner (Bottom)

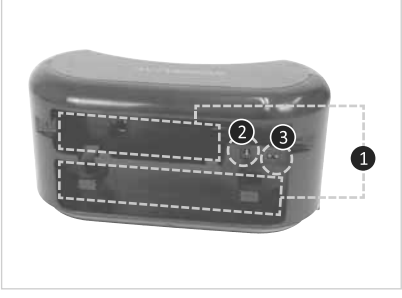


① Location-detecting Sensor
② Wheels
③ Charging Terminal
④ Side Brush Mounting pin
⑤ Dust Intake
⑥ Main Brush
⑦ Mopping Guard Mounting Hole

Charging Station (Front)

① Operation Lamp
② Guide Signal Transmission Sensor
③ Charging Terminal

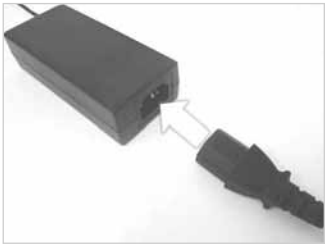
Charging Station (Rear)



① Adapter compartment
② Adapter jack
③ Sensor Signal Distance Adjustment Switch

Installing the Robot Vacuum Cleaner

01. Plug the Adapter Power Cord into the Adapter and connect to power outlet.

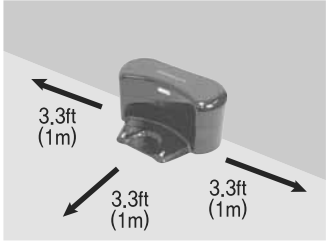


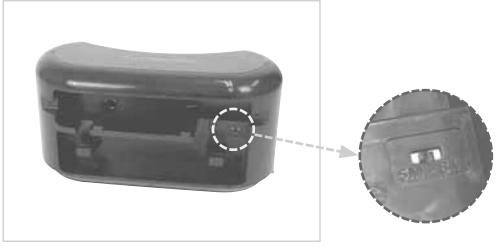
02. Connect the Charger Adapter with the Charger.

- Once the power is connected, the blue lamp will turn on at the front.
- For appropriate charging of the robot vacuum cleaner, the charger adapter should be connected with the power at all times.

03. Arrange the position of the charger.

- The charger should be placed in a location free of obstruction with at least 3.3ft (1m) of space on all sides.
- The wall facing the rear of the charger should not be made of glass or glossy materials.
- Insert the adapter into the compartment of the charger properly.
- If the charger is installed in a site under direct sunlight, automatic charging may not occur or the product can become discolored.





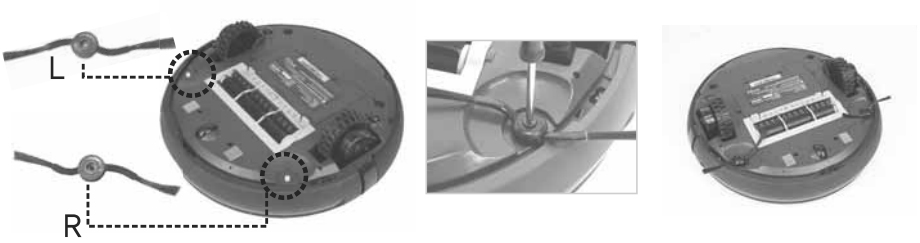
Considering location of the charger and size of the house, set the Sensor Signal Distance Adjustment switch as 16.4ft (5m) to 26.2ft (8m) to adjust the signal detecting distance of the robot vacuum cleaner.

If the robot vacuum cleaner fails to return to the charger, switch the distance setup located on the rear part of the main body.

- ◆ If the charger is installed in a narrow space, select 16.4ft (5m). If installed in a large space, select 26.2ft (8m).
- ◆ If the charger is installed in a narrow space and 26.2ft (8m) is selected, automatic charging may not work properly.
- ◆ Do not place the indicator on the charger. Signal inference may disrupt automatic charging.

04. Install the Side Brushes.

- Use the side brushes, screws and driver included in the box to install side brushes onto the underside of the main body.
- Install the Left–side brush to the "L" position and Right–side brush to the "R" position.



05. Attach the Mopping Guard onto the Robot Vacuum Cleaner.

- If you do not want to use the Washable mop function, skip this step and go to the next procedure.

Additional Mopping Guard and Cloth can be purchased separately by visiting a nearby distributor.

06. Turn on the system power switch of the robot vacuum cleaner

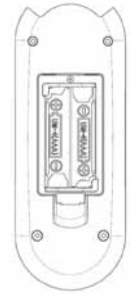
07. Place the robot vacuum cleaner in the charger with both hands to start charging.

- Locate the robot vacuum cleaner and the charging terminal of the charger in contact.
- When the robot vacuum cleaner is charged for the first time, it may take 120 min. for the robot vacuum cleaner to complete charging.
- After charging for 120 min., you can use the product for around 100 min. with medium suction power. (The operating hour may vary depending on the usage conditions).

Battery Lamp	Charging	Blinks 1 time/sec
	Charging Completed	Charging Completed
	Low battery	Blinks 4 times/sec

08. Insert batteries in the remote control

- Install batteries according to the correct polarity.



2 x AAA type

Descriptions for Remote Control buttons

Use various functions conveniently with the remote control.

Functions available with the main body of the robot cleaner
Automatic Cleaning mode, Shadow Cleaning mode, Mop Cleaning mode, Charging

Functions available with the Remote Control
Automatic Cleaning mode, Shadow Cleaning mode, Mop Cleaning mode, Intensive Cleaning mode, Corner Cleaning mode, Manual Cleaning mode, Charging, Turbo Control, Reservation Setting, Mute.

① POWER
- Turns main power on/off.

② MODE Selection
- Selects the cleaning mode.

③ START/STOP
- Starts selected operation.
- Stops current cleaning.

④ SELECT MANUAL
- Acts as the select button for various setup modes.
- Used for manual cleaning operation. (See page 25.)

⑤ DIRECTION
- In Manual Cleaning mode, moves the robot vacuum cleaner forward and backward and make the robot vacuum cleaner rotates to the left and right directions.

⑥ CHARGE
- Moves the robot vacuum cleaner to the charging station.

⑦ MOP
- Selects the Mop Cleaning mode. (See page 21.)

⑧ INTENSIVE
- Selects the Intensive Cleaning mode. (See page 22.)

⑨ VACUUM
- Selects the Turbo Suction.

⑩ SHADOW
- Selects the Shadow Cleaning mode. (See page 24.)

⑪ CORNER
- Selects Corner Cleaning mode. (See page 23.)

⑫ RESERVATION
- Setup Reservation Cleaning. (See page 26.)

⑬ MUTE
- Turns on/off announcements.

Automatic Cleaning mode

H67 Cleaning Outline

Cleaning Type	Usage At	Purpose	Note	How to Operate	Cleaning Modes	Page
1. Automatic Cleaning with mop attached	Hard Floors	Mopping with Vacuum	Hard Floors Only Does not climb the carpet areas, footholds or thresholds	Start button with mop attached	Automatic (Default)	20
					Intensive	22
					Corner	23
					Shadow	24
					Manual	25
					Reservation	26
2. Automatic Cleaning without mop	Carpet / Hard Floors	Vacuum Only	None	Start button without Mop	Automatic (Default)	20
					Intensive	22
					Corner	23
					Shadow	24
					Manual	25
					Reservation	26
3. Mop Cleaning	Hard Floors	Mopping Only	Hard Floors Only Does not climb the carpet areas, footholds or thresholds	Mop button with Mop	Mopping	21

- Default cleaning mode.
- While cleaning, if charging is needed, the robot cleaner will automatically stop cleaning and return to the charging station.
- After each cleaning, empty the dust bin. If the dust bin remains full, the suction power may become deteriorated.
- Cleaning efficiency and time may vary depending on the condition of obstacles such as carpets on the floor.

01. Turn on the System Power Switch on the main body.

Automatic Cleaning mode

02. Turn on the main power with 2 options :

Main Body	Remote Control

03. Press the [START/STOP] button.

Main Body	Remote Control

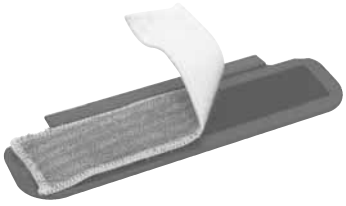
- If you press the [START/STOP] button after the robot vacuum cleaner has already started working, it will stop cleaning.
- When the cleaning is stopped and you press the [START/STOP] button, the product will resume cleaning.
  At this time, the previous cleaning operation will be ignored and the automatic cleaning will be newly activated.

04. Automatic cleaning mode begins

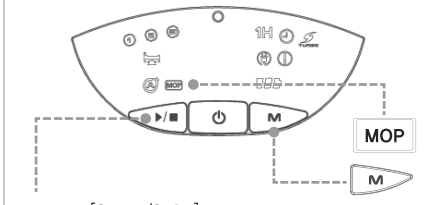
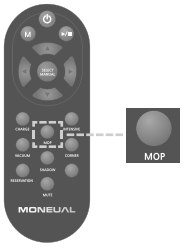
- When automatic cleaning starts, the intensive cleaning mode is also automatically on. If a certain period of time passes or an obstacle is detected, the intensive cleaning mode will turn off and the robot
- cleaner will start moving in straight lines.
  The robot vacuum cleaner may occasionally move along the wall and perform intensive cleaning.

Mop Cleaning mode

Mop cleaning mode specializes in cleaning hard floors utilizing the washable mop (without vacuum).
In this mode, you can use the robot vacuum cleaner for around 5 hours after fully charging.



01. Place a mop on the mopping guard.
02. Place the mopping guard to meet the mounting hole located at the bottom of the main body.
03. Select the mop cleaning mode.

Main Body	Remote Control
 Press the [START/STOP] button to start cleaning. Press the mode selection button repeatedly.	

04. Press the [START/STOP] button.
After the cleaning is completed, the robot vacuum cleaner will return to the charging station.

Mop should be attached to clean hard floors.
The robot vacuum cleaner does not climb the carpet areas, footholds, or thresholds when Mopping Guard is installed.
* It is recommended that charging station is installed in hard floors during cleaning with mop attached.

Using Advanced Cleaning functions

It is possible to select and clean spaces that are not easy to clean through the default automatic cleaning.

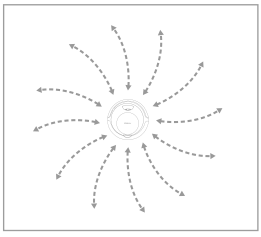
For corners and some spots where the robot vacuum cleaner cannot reach, the product will not be able to clean completely.

Before using the advanced cleaning functions:

- ◆ You cannot select a different cleaning mode while the robot vacuum cleaner is cleaning or being charged.
- ◆ In this case, you need to press the [START/STOP] button to stop current operation and then select a cleaning mode.

Intensive Cleaning mode

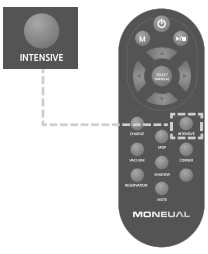
From the current position, The robot vacuum cleaner performs intensive cleaning mode over the 3.3ft radius area.



◆ If the site has many obstacles around it, the cleaning may not be successful due to interference from them.

01. Press the [INTENSIVE] button to start intensive cleaning.

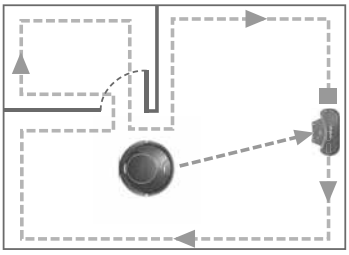
- After cleaning is completed, the robot cleaner stops at its current place.

Main Body	Remote Control
Intensive cleaning mode is not supported by Main Body button.	

Corner Cleaning mode

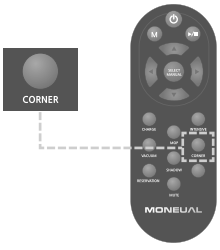
In this mode, the robot vacuum cleaner performs cleaning by following the wall of a current room.

When the robot vacuum cleaner makes a full circle or detects the same signal from the charger, it will stop cleaning.



01. Press the [CORNER] button to start corner cleaning.

- After cleaning is completed, the robot vacuum cleaner will return to the charging station.

Main Body	Remote Control
Corner cleaning mode is not supported by Main Body.	

Shadow Cleaning mode

It is possible to clean spaces such as under a bed or other large furniture intensively.

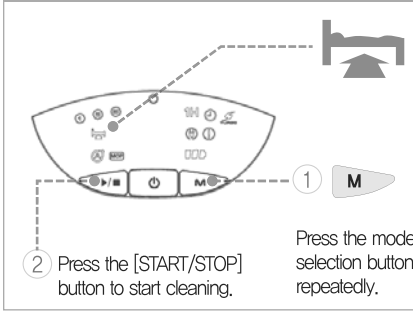
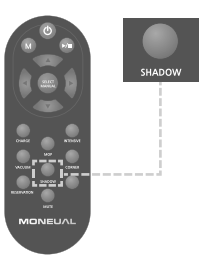
Use the robot vacuum cleaner in this mode with the room light turned on. In a dark room, the product will not be able to distinguish the space under the bed from the rest of the room.

In a dark room, the product may see the entire space as space under the bed.

01. Place the robot vacuum cleaner under the bed.

- The robot vacuum cleaner may not perform shadow cleaning correctly under direct light.
- If the robot vacuum cleaner is not under a piece of furniture, it will move there before starting shadow cleaning. To reduce the moving time, place the robot vacuum cleaner in front of desired furniture before it starts working.

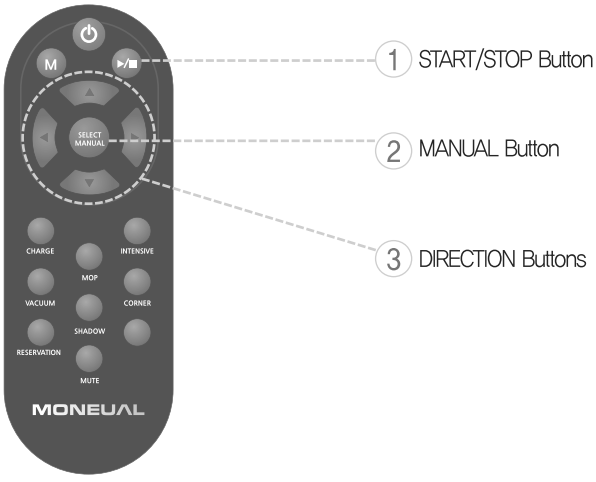
02. Select the mode for cleaning under the bed.

Main Body	Remote Control
	

03. After cleaning is completed, the robot vacuum cleaner will return to the charging station.

Manual Cleaning mode

You can choose to manually operate the robot vacuum cleaner.



01. Press the [START/STOP] button to stop the robot vacuum cleaner if it is in operation.

02. Press the [MANUAL] button on the remote control.

- For cleaning, the product starts vacuuming at the site.
- When you press the [MANUAL] one more time, vacuuming will stop.

03. Operate the robot vacuum cleaner as you like with the direction buttons of the remote control.

- Manual control is not available while charging.

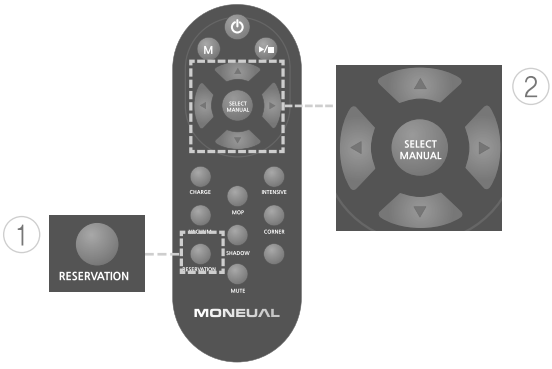
This function is useful for when you only need a manual move without vacuuming.

Reservation Cleaning mode

Setting Reservation mode

Starts cleaning after 1 hour or after 24 hours it is set.

- ◆ Before making a reservation, be sure to install the charger.
- ◆ The reservation is available only with the remote control.
- ◆ If the battery is being charged at a reserved time, the reservation cleaning will be executed after the charging is completed.
- ◆ If the robot vacuum cleaner is set to '1 hour' reservation, it completes 1 cleaning cycle after 1 hour it is set.
- ◆ If the robot vacuum cleaner is working, press the [START/STOP] button to stop it before proceeding.



01. Press the [RESERVATION] button.

- Whenever the [RESERVATION] button is pressed, hour/daily lamps will turn on. If all reservation-indicating lamps are turned off, it indicates that the user has selected nothing.

02. Press the [SELECT] button.

- Select the reservation time and press the [SELECT] button to finish reservation.

03. If daily reservation is selected, cleaning will start at the same time every day.

Managing Robot Vacuum Cleaner

Language selection

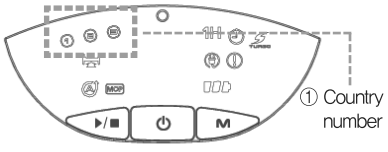
- You can select the language for the voice announcements spoken by the robot vacuum cleaner.
- If the robot vacuum cleaner is in operation, press the [START/STOP] button and the [POWER] button to turn it off before proceeding.

01. Turn off the system power switch located at the rear side of the main body.

02. While pressing the mode button on the upper side of the main body, turn on the power switch at the rear side of the robot vacuum cleaner on to enter in the language selection mode.

03. Press [START/STOP] button to select the country number.

- When each country is selected, the voice announcements below are played in the selected language.
  " Start automatic cleaning. "
  " The cleaning is cancelled. "



04. Languages changed by [START/STOP] button may differ depending on the robot vacuum cleaner and the region it is sold in.

05. Press the [POWER] button at the upper side of the main body to complete language setting in the selected language.

No.	Language
1	English
2	Spanish
3	Korean
4	Chinese
5	Japanese

Cleaning the Dust Bin

01. Press the lever to lift the cover of the dust bin.

02. Pull out the dust bin.

03. Remove the dust filter.

- Refer to Page 30, on How to Clean Dust Filter and Maintenance.

04. Empty the dust bin.

05. Insert the filter back into the dust bin.

- If the filter is water-cleaned, wait until it is completely dry before inserting it in.

06. Insert the dust bin.

- Insert the dust bin back into the robot vacuum cleaner.

07. Replace the dust bin cover.

- Press the dust bin cover until it clicks into place.

How to Clean Dust Filter and Maintenance

We recommend to detach the dust filter when you clean and assemble again for the next use.
The filter might get defect or reduced filter life cycle if you clean dust filter with water.

We recommend to clean dust filter when dust get full more than 2/3
Suction power will be reduced if you do not clean the dust filter properly.

01. Disassemble dust filter cover.

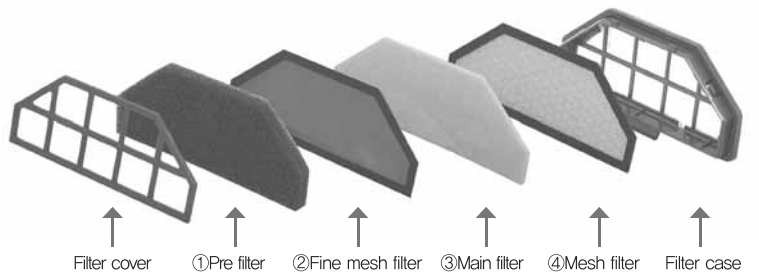
- Disassemble dust filter cover as shown below.
- Do not force too hard or to bend filter cover.

02. Clean dust filter.

- Remove dust from each filter.

03. Assemble filters.

- Assemble filters by the orders as picture shown below.
- Cleaning performance will be declined if you assemble filters by wrong order.



We recommend to change the dust filter every 6 month depending on cleaning environment.
Cleaning performance will be declined if you do not change dust filter properly.

Cleaning Sensors

Clean the three (3) sensors as indicated in the figure with a brush or cotton swab.

- If contamination is severe, clean it with the wet swab.
- Do not directly apply water, benzene or alcohol to the sensors.

Cleaning Wheels

Clean the wheels with a cleaning brush.

- Turn each wheel while cleaning to clean the entire wheel.
- Remove hairs and other foreign substances, which can disturb operation of the wheels.

Cleaning the Dust Inlet

01. Remove the dust inlet cover.

02. Remove the main brush by holding and lifting it.

03. Clean the removed main brush with a cleaning brush.

04. Insert the main brush back.

- Check the groove shape and insert it into the fixing hole of the rubber brush. Then, fix the wing of the fixing pin to the robot.

05. Insert the dust inlet cover.

- Insert the protruding part first. Press the opposite side until the fixing pin is fully installed.

Battery Usage and Management

The longer batteries are used, the shorter the usage time becomes.

Life Span of the Battery

- We guarantee twelve (12) months battery life in general usage environments.
- For ideal battery use, make sure that it is always charged.
- The life span of the battery can vary depending on the usage environments.

Usage Time of the Battery

- Before you use the robot vacuum cleaner for the first time, manually charge it completely.
- It may take 120 min. for the robot vacuum cleaner to complete charging.
- After charging is complete, the robot vacuum cleaner can operate for around 100 minutes in medium suction power.
- In more complex or dirtier environments, the cleaning operation time on one charge may decrease.
- If the robot vacuum cleaner is left with its power on and is not connected to the charger, its operating time can decrease or battery can become fully discharged.

Replacing the Battery

- Once the cleaning operation time gets considerably shortened, you will need to replace the battery.
- Make sure to use factory standard batteries.
- To purchase additional batteries, contact the Customer Service Center.

Replacing the Battery

If you feel it is too difficult to manually replace the battery, please contact the customer service center.

01. Press the system [POWER] button to turn off the robot vacuum cleaner.

02. Loosen the four screws of the battery cover and lift it off.

03. Pull out the battery pin and remove the battery.

- Press the lock at the same time to pull out the battery pin.

04. Replace with the new battery and insert the battery pin.

05. Close the battery cover and tighten the screws.

How to Extend Battery Life

- If planning on not using the battery for a long time, charge it completely, then separate the battery from the main body before storing it.
- Clean the dust intake and the dust bin frequently.
  If you use the robot vacuum cleaner while it is filled with foreign substances and dust, it can cause increase in rotation of internal motors and shorten the life span of the battery.
- Charge the battery between each use of robot vacuum cleaner.
- In charging or long-term storage, keep robot vacuum cleaner away from direct sunlight and fire.

Voice Announcement List

The list below shows basic voice announcements, which is subject to change depending on user specification.

Voice announcement functions	
Start the Automatic cleaning.	The automatic cleaning function is launched.
Start the Corner cleaning.	The corner-cleaning operation is launched.
Start the Intensive cleaning.	The intensive cleaning operation is launched.
Start Reserved cleaning.	The reserved cleaning operation is launched.
Start the Shadow cleaning.	The cleaning under the bed operation is launched.
The cleaning is completed.	The cleaning operation is completed.
The cleaning is cancelled.	The Stop button is pressed during cleaning.
Move to the charger.	The [CHARGE] button of the remote control is pressed or the product is moving to charger for automatic charging.
Start the charging.	The charging has begun.
Reservation is made.	The reservation is made.

Check the message function	
The battery is discharged.	The battery is discharged.
There is no dust bin inserted.	The dust bin has been removed.
Put the product on the floor.	The robot vacuum cleaner is lifted from the floor.
Check the wheel.	The wheel is jammed.
Check the main brush.	The main brush is tangled or jammed in a foreign substance.
Check the side brush.	The side brush is tangled or jammed in a foreign substance.
Errors are generated.	Errors have occurred (See the system check list).

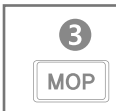
System Check List

If the robot vacuum cleaner stops working with error codes displayed, you can resume operation by pressing the system [POWER] button.

If the problem persists even after the following steps are taken, contact our customer service center.

Error announcement sounds one time, and it is possible to check with pushing [SELECT] button on remote control.

1 MOP	Cause	The battery is discharged and the robot vacuum cleaner cannot work.
	Action	Manually charge the robot vacuum cleaner.
1 MOP	Cause	Either one or both wheels are overloaded.
	Action	Relocate the robot vacuum cleaner. Remove foreign substances from wheels.
1	Cause	The air intake pan is overloaded.
	Action	Remove foreign substances from the dust intake and empty the dust bin.
1 MOP	Cause	The main brush is overloaded.
	Action	Remove foreign substances (hair, etc) from the main brush.
2 MOP	Cause	The robot vacuum cleaner is charged without the battery.
	Action	Check if the battery is installed.
2	Cause	Battery failure
	Action	Please contact our service center.
2 MOP	Cause	Attempt to run the robot cleaner without the dust bin.
	Action	Install the dust bin.
2	Cause	Both wheels are lifted.
	Action	Place the robot vacuum cleaner on the floor or lift it to another site.

	Cause	The escape vent has exceeded tolerance level.
	Action	Remove foreign substances from the front caster and empty the dust bin.
	Cause	The bumper keeps impacting and disrupting cleaning.
	Action	Remove foreign substances from the bumper. Check if the bumper is properly installed.
	Cause	The fall warning keeps activating and disrupting cleaning.
	Action	If the floor is black, relocate the robot vacuum cleaner.
	Cause	Others
	Action	Please contact our service center for unknown other errors.

Checkpoints before Requesting service

Error details	Checkpoints and actions to be taken
Q. The robot vacuum cleaner does not work.	(1) Turn on system power switch at the rear of robot vacuum cleaner. (2) Check if the battery is discharged. –) Charge the robot vacuum cleaner with the charger.
Q. The robot vacuum cleaner cannot be charged.	(1) Clear away obstacles from the charger. (2) Check if the charger is turned on. (3) Turn on the system power switch at the right bottom of the rear part. –) If you force robot vacuum cleaner to be charged, it may not work.
Q. The remote control does not work.	Change the battery of the remote controller.
Q. The suction power is too weak.	(1) Empty the dust bin. (2) Clean the filter of the dust bin. (3) Check if there are foreign substances in the intake.
Q. The robot vacuum cleaner cannot be turned on.	(1) Turn on system power switch on the rear of the robot vacuum cleaner. (2) Check if the battery is discharged.
Q. The brush does not rotate.	(1) Check if there are any foreign substances around the brush. (2) Check if the brush is properly inserted.
Q. The noise level is louder than before.	(1) Check if the filter of the dust bin is properly inserted. (2) Check if there are any foreign substances around the brush.
Q. The robot vacuum cleaner works abnormally during cleaning.	(1) Check if the washable mop is inserted (if purchased separately) and then if it is appropriately inserted. (2) Clean the sensor and the adjacent part with a soft cloth.
Q. Reserved cleaning mode won't set.	Press the [SELECT] button when the reservation is made.
Q. The robot vacuum cleaner does not respond to any button.	If the main body is directly connected with the adapter for charging, no button input will work during manual charging.
Q. The operating time is short.	(1) If the robot vacuum cleaner is left for a long time while it is not connected to the charger properly or the rear adapter is not connected, the battery can become discharged and operating time shortened. (2) Even when the robot vacuum cleaner is fully charged, keep it connected to the charger. (3) If you want to store robot vacuum cleaner for a long time, turn off the system power switch at the rear before storing.

Product Specifications

Robot Vacuum Cleaner

Model	H67
Dimension	Diameter 13.7inch (347mm) X Height 3.2inch (82mm)
Weight	5.9lb (2.674kg)
Max. Speed	Cleaning Mode: 9.8inch (25cm).; Moving Mode: 7.9inch (20cm).
Operating Noise	Maximum 70dB
Power Consumption	Maximum 25W
Battery	LiFePo4, 12.8V DC
Capacity of the Dust Bin	600 ml
Charging Time	120 min.
Operating Time	Normal : 100 min. and Turbo : 70 min. and Mop Cleaning : 5 hours

Charger

Model	MRD6500
Dimension	10.4inch (264mm) X Height 7inch (179mm) X Width 5.3inch (134mm)
Weight	1.3lb (606g)
Input voltage	18V DC
Output voltage	18V DC
Signal transmission distance (IR)	16.4ft (5m) / 26.2ft (8m)

Remote Control

Model	MRC6500
Dimension	5.5inch (139mm) X Height 0.9inch (22mm) X Width 2.0inch (50mm)
Weight	0.15lb (66g)
Battery	2 X AAA type (Included)
Signal Transmission Distance (IR)	16.4ft (5m)

RYDIS H67 Hybrid Robot Vacuum Cleaner

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